

**DEPARTMENT OF TRANSPORTATION
UNITED STATES COAST GUARD**

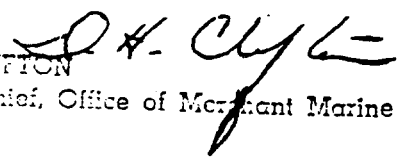
U.S. COAST GUARD (G-MVI - 1/83)
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NVC 8-73
13 SEP 1973

NAVIGATION AND VBSSEL INSPECTION CIRCULAR NO. 8-73

Subj: Alternate means of determining the weight of CO₂ in fire extinguishing systems

1. Purpose. The purpose of this circular is to announce the acceptability of liquid level indicators as an alternate means of determining the weight of CO₂ in a cylinder.
2. Discussion. Liquid level indicators determine the liquid level inside a cylinder by placing a radioactive source on one side and checking the radiation level on the other side with a meter. As the source and meter are moved up or down the cylinder, the meter reading will indicate the liquid level. Charts supplied with the equipment indicate the weight of CO₂ corresponding to the liquid level for a particular size cylinder as a function of temperature.
3. Action. Liquid level indicators may be accepted as a means of determining the weight of CO₂ in a cylinder. Since flexible connectors and other fittings are not ordinarily removed during this procedure, special attention is warranted to determine that they are in good condition.


D. H. CLIFTON
Acting Chief, Office of Merchant Marine Safety

Dist: (SDL No. 97)
A: None
B: n(45); c(10);. q(6); egr(3); b(1)
C: m(4); o(2)
D: j(2); ik(1)
B: mr(1)
F: ajpr(2)
List CG-12